



TRANSMITTAL FORM

Application Serial Number	09/812,723
Filing Date	March 20, 2001
First Named Inventor	Laugharn
Group Art Unit	1723
Examiner Name	Not yet Assigned
Attorney Docket No.	BMA-008
BATCH NO. (after allowance)	Not applicable
Patent No.	Not applicable
Issue Date	Not applicable


ENCLOSURES (check all that apply)

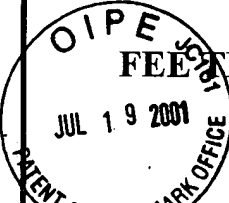
<input checked="" type="checkbox"/> Fee Transmittal Form <input checked="" type="checkbox"/> Check Attached <input checked="" type="checkbox"/> Copy of Fee Transmittal Form <input type="checkbox"/> Amendment/Response <input type="checkbox"/> Preliminary <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Letter to Official Draftsperson including Drawings [Total Sheets ____] <input type="checkbox"/> Petition for Extension of Time <input checked="" type="checkbox"/> Information Disclosure Statement <input checked="" type="checkbox"/> Form PTO-1449 <input checked="" type="checkbox"/> Copies of IDS Citations AA, BA-BD <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Sequence Listing submission <input type="checkbox"/> Paper Copy/CD <input type="checkbox"/> Computer Readable Copy <input type="checkbox"/> Statement verifying identity of above	<input checked="" type="checkbox"/> Copy of Notice to File Missing Parts of Application (PTO-1553) <input type="checkbox"/> Formal Drawing(s) <input type="checkbox"/> Request For Continued Examination (RCE) Transmittal <input type="checkbox"/> Power of Attorney (Revocation of Prior Powers) <input type="checkbox"/> Terminal Disclaimer <input checked="" type="checkbox"/> Executed Declaration and Power of Attorney for Utility or Design Patent Application <input checked="" type="checkbox"/> Small Entity Statement <input type="checkbox"/> CD(s) for large table or computer program <input type="checkbox"/> Amendment After Allowance <input type="checkbox"/> Request for Certificate of Correction <input type="checkbox"/> Certificate of Correction (in duplicate)	<input type="checkbox"/> Notice of Appeal to Board of Patent Appeals and Interferences <input type="checkbox"/> Appeal Brief (in triplicate) <input type="checkbox"/> Status Inquiry <input checked="" type="checkbox"/> Return Receipt Postcard <input type="checkbox"/> Certificate of First Class Mailing under 37 C.F.R. 1.8 <input type="checkbox"/> Certificate of Facsimile Transmission under 37 C.F.R. 1.8 <input type="checkbox"/> Additional Enclosure(s) (please identify below)
---	---	--

CORRESPONDENCE ADDRESS

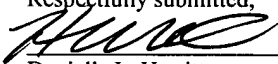
Direct all correspondence to: Patent Administrator
 Testa, Hurwitz & Thibault, LLP
 High Street Tower
 125 High Street
 Boston, MA 02110
 Tel. No.: (617) 248-7000
 Fax No.: (617) 248-7100

SIGNATURE BLOCK

Respectfully submitted,

 Date: July 19, 2001
 Reg. No. 43,670
 Tel. No.: (617) 248-7952
 Fax No.: (617) 248-7100
 Danielle L. Herritt
 Attorney for Applicants
 Testa, Hurwitz & Thibault, LLP
 High Street Tower
 125 High Street
 Boston, MA 02110

 FEE TRANSMITTAL FY 2001	<i>Complete if Known</i>		
	Application Serial Number	09/812,723	
	Filing Date	March 20, 2001	
	First Named Inventor	Laugharn	
	Group Art Unit	1723	
	Examiner Name	Not yet Assigned	
		Attorney Docket No.	BMA-008

METHOD OF PAYMENT		FEE CALCULATION (continued)																																																																																					
1. <input checked="" type="checkbox"/> Payment Enclosed: <input checked="" type="checkbox"/> Check <input type="checkbox"/> Money Order <input type="checkbox"/> Other		3. ADDITIONAL FEES <table border="1"> <thead> <tr> <th>Large Entity Fee (\$)</th> <th>Small Entity Fee (\$)</th> <th>Fee Description</th> <th>Fee Paid</th> </tr> </thead> <tbody> <tr> <td>130</td> <td>65</td> <td>Surcharge - late filing fee or oath</td> <td>65.00</td> </tr> <tr> <td>50</td> <td>25</td> <td>Surcharge - late provisional filing fee or cover sheet</td> <td></td> </tr> <tr> <td>130</td> <td>130</td> <td>Non-English specification</td> <td></td> </tr> <tr> <td>2,520</td> <td>2,520</td> <td>For filing a request for reexamination</td> <td></td> </tr> <tr> <td>110</td> <td>55</td> <td>Extension for reply within first month</td> <td></td> </tr> <tr> <td>390</td> <td>195</td> <td>Extension for reply within second month</td> <td></td> </tr> <tr> <td>890</td> <td>445</td> <td>Extension for reply within third month</td> <td></td> </tr> <tr> <td>1,390</td> <td>695</td> <td>Extension for reply within fourth month</td> <td></td> </tr> <tr> <td>1,890</td> <td>945</td> <td>Extension for reply within fifth month</td> <td></td> </tr> <tr> <td>310</td> <td>155</td> <td>Notice of Appeal</td> <td></td> </tr> <tr> <td>310</td> <td>155</td> <td>Filing a brief in support of an appeal</td> <td></td> </tr> <tr> <td>270</td> <td>135</td> <td>Request for oral hearing</td> <td></td> </tr> <tr> <td>130</td> <td>130</td> <td>Petitions to the Commissioner</td> <td></td> </tr> <tr> <td>50</td> <td>50</td> <td>Petitions related to provisional applications</td> <td></td> </tr> <tr> <td>180</td> <td>180</td> <td>Submission of Information Disclosure Statement</td> <td></td> </tr> <tr> <td>710</td> <td>355</td> <td>Filing a submission after final rejection (37 CFR 1.129(a))</td> <td></td> </tr> <tr> <td>710</td> <td>355</td> <td>For each additional invention to be examined (37 CFR 1.129(b))</td> <td></td> </tr> <tr> <td colspan="2">Other fee (Specify)</td> <td colspan="2"></td> <td></td> </tr> <tr> <td colspan="2">Other fee (Specify)</td> <td colspan="2"></td> <td></td> </tr> </tbody> </table>				Large Entity Fee (\$)	Small Entity Fee (\$)	Fee Description	Fee Paid	130	65	Surcharge - late filing fee or oath	65.00	50	25	Surcharge - late provisional filing fee or cover sheet		130	130	Non-English specification		2,520	2,520	For filing a request for reexamination		110	55	Extension for reply within first month		390	195	Extension for reply within second month		890	445	Extension for reply within third month		1,390	695	Extension for reply within fourth month		1,890	945	Extension for reply within fifth month		310	155	Notice of Appeal		310	155	Filing a brief in support of an appeal		270	135	Request for oral hearing		130	130	Petitions to the Commissioner		50	50	Petitions related to provisional applications		180	180	Submission of Information Disclosure Statement		710	355	Filing a submission after final rejection (37 CFR 1.129(a))		710	355	For each additional invention to be examined (37 CFR 1.129(b))		Other fee (Specify)					Other fee (Specify)				
Large Entity Fee (\$)	Small Entity Fee (\$)	Fee Description	Fee Paid																																																																																				
130	65	Surcharge - late filing fee or oath	65.00																																																																																				
50	25	Surcharge - late provisional filing fee or cover sheet																																																																																					
130	130	Non-English specification																																																																																					
2,520	2,520	For filing a request for reexamination																																																																																					
110	55	Extension for reply within first month																																																																																					
390	195	Extension for reply within second month																																																																																					
890	445	Extension for reply within third month																																																																																					
1,390	695	Extension for reply within fourth month																																																																																					
1,890	945	Extension for reply within fifth month																																																																																					
310	155	Notice of Appeal																																																																																					
310	155	Filing a brief in support of an appeal																																																																																					
270	135	Request for oral hearing																																																																																					
130	130	Petitions to the Commissioner																																																																																					
50	50	Petitions related to provisional applications																																																																																					
180	180	Submission of Information Disclosure Statement																																																																																					
710	355	Filing a submission after final rejection (37 CFR 1.129(a))																																																																																					
710	355	For each additional invention to be examined (37 CFR 1.129(b))																																																																																					
Other fee (Specify)																																																																																							
Other fee (Specify)																																																																																							
2. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to credit or charge any fee indicated below for this submission to Deposit Account No. 20-0531. <input type="checkbox"/> Required Fees (copy of this sheet enclosed). <input type="checkbox"/> Additional fee required under 37 CFR 1.16 and 1.17. <input checked="" type="checkbox"/> Overpayment Credit.																																																																																							
3. <input checked="" type="checkbox"/> Applicant claims small entity status.																																																																																							
FEE CALCULATION																																																																																							
1. FILING FEE																																																																																							
<table border="1"> <thead> <tr> <th>Large Entity Fee (\$)</th> <th>Fee Description</th> <th>Fee Paid</th> </tr> </thead> <tbody> <tr> <td>710</td> <td>Utility filing fee</td> <td>710.00</td> </tr> <tr> <td>320</td> <td>Design filing fee</td> <td></td> </tr> <tr> <td>150</td> <td>Provisional filing fee</td> <td></td> </tr> </tbody> </table>					Large Entity Fee (\$)	Fee Description	Fee Paid	710	Utility filing fee	710.00	320	Design filing fee		150	Provisional filing fee																																																																								
Large Entity Fee (\$)	Fee Description	Fee Paid																																																																																					
710	Utility filing fee	710.00																																																																																					
320	Design filing fee																																																																																						
150	Provisional filing fee																																																																																						
<table border="1"> <thead> <tr> <th></th> <th>Number Filed</th> <th>Number Extra</th> <th>Rate</th> <th>Amount</th> </tr> </thead> <tbody> <tr> <td>Total Claims</td> <td>150</td> <td>- 20 = 130</td> <td>x \$ 18.00 =</td> <td>2,340.00</td> </tr> <tr> <td>Independent Claims</td> <td>4</td> <td>- 3 = 1</td> <td>x \$ 80.00 =</td> <td>80.00</td> </tr> </tbody> </table>						Number Filed	Number Extra	Rate	Amount	Total Claims	150	- 20 = 130	x \$ 18.00 =	2,340.00	Independent Claims	4	- 3 = 1	x \$ 80.00 =	80.00																																																																				
	Number Filed	Number Extra	Rate	Amount																																																																																			
Total Claims	150	- 20 = 130	x \$ 18.00 =	2,340.00																																																																																			
Independent Claims	4	- 3 = 1	x \$ 80.00 =	80.00																																																																																			
<input type="checkbox"/> Multiple Dependent Claim(s), if any \$270.00 =																																																																																							
TOTAL: 3130.00 SMALL ENTITY DISCOUNT: 1,565.00 SUBTOTAL (1) (\$) 1,565.00																																																																																							
2. AMENDMENT CLAIM FEES																																																																																							
<table border="1"> <thead> <tr> <th>Claims Remaining After Amend.</th> <th>Highest No. Previously Paid For</th> <th>Present Extra</th> <th>Rate</th> <th>Fee Paid</th> </tr> </thead> <tbody> <tr> <td>Total</td> <td>-</td> <td>=</td> <td>x \$ 18.00 =</td> <td></td> </tr> <tr> <td>Indep.</td> <td>-</td> <td>=</td> <td>x \$ 80.00 =</td> <td></td> </tr> <tr> <td colspan="4"> <input type="checkbox"/> First Presentation of Multiple Dep. Claim + \$270.00 = </td> <td></td> </tr> <tr> <td colspan="4">TOTAL: (\$)</td> <td></td> </tr> <tr> <td colspan="4">SMALL ENTITY DISCOUNT: (\$)</td> <td></td> </tr> <tr> <td colspan="4">SUBTOTAL (2) (\$)</td> <td></td> </tr> </tbody> </table>					Claims Remaining After Amend.	Highest No. Previously Paid For	Present Extra	Rate	Fee Paid	Total	-	=	x \$ 18.00 =		Indep.	-	=	x \$ 80.00 =		<input type="checkbox"/> First Presentation of Multiple Dep. Claim + \$270.00 =					TOTAL: (\$)					SMALL ENTITY DISCOUNT: (\$)					SUBTOTAL (2) (\$)																																																				
Claims Remaining After Amend.	Highest No. Previously Paid For	Present Extra	Rate	Fee Paid																																																																																			
Total	-	=	x \$ 18.00 =																																																																																				
Indep.	-	=	x \$ 80.00 =																																																																																				
<input type="checkbox"/> First Presentation of Multiple Dep. Claim + \$270.00 =																																																																																							
TOTAL: (\$)																																																																																							
SMALL ENTITY DISCOUNT: (\$)																																																																																							
SUBTOTAL (2) (\$)																																																																																							
SUBTOTAL (3) (\$) 65.00																																																																																							
SUBTOTAL (1) 1,565.00 SUBTOTAL (2) -0- SUBTOTAL (3) 65.00																																																																																							
TOTAL (\$) 1,630.00																																																																																							

CORRESPONDENCE ADDRESS	SIGNATURE BLOCK
Direct all correspondence to: Patent Administrator Testa, Hurwitz & Thibault, LLP High Street Tower-125 High Street Boston, MA 02110 Tel. No.: (617) 248-7000 Fax No.: (617) 248-7100	Respectfully submitted,  Danielle L. Herritt Attorney for the Applicants Testa, Hurwitz & Thibault, LLP High Street Tower-125 High Street Boston, MA 02110

Express Mail Label No. EL822887350US

07-20-01

Page 1 of 2

Section



UNITED STATES PATENT AND TRADEMARK OFFICE

COMMISSIONER FOR PATENTS
UNITED STATES PATENT AND TRADEMARK OFFICE
WASHINGTON, D.C. 20231
www.uspto.gov

APPLICATION NUMBER	FILING/RECEIPT DATE	FIRST NAMED APPLICANT	ATTORNEY DOCKET NUMBER
09/812,723	03/20/2001	James A. Laugharn JR.	BMA-008

021323
TESTA, HURWITZ & THIBEAULT, LLP
HIGH STREET TOWER
125 HIGH STREET
BOSTON, MA 02110

CONFIRMATION NO. 2606

FORMALITIES LETTER



OC000000006144232

Date Mailed: 06/04/2001

NOTICE TO FILE MISSING PARTS OF NONPROVISIONAL APPLICATION

FILED UNDER 37 CFR 1.53(b)

Filing Date Granted

An application number and filing date have been accorded to this application. The item(s) indicated below, however, are missing. Applicant is given **TWO MONTHS** from the date of this Notice within which to file all required items and pay any fees required below to avoid abandonment. Extensions of time may be obtained by filing a petition accompanied by the extension fee under the provisions of 37 CFR 1.136(a).

- The statutory basic filing fee is missing.
Applicant must submit \$ 710 to complete the basic filing fee and/or file a small entity statement claiming such status (37 CFR 1.27).
- Total additional claim fee(s) for this application is \$2420.
 - \$2340 for 130 total claims over 20.
 - \$80 for 1 independent claims over 3 .
- The oath or declaration is missing.
A properly signed oath or declaration in compliance with 37 CFR 1.63, identifying the application by the above Application Number and Filing Date, is required.
- To avoid abandonment, a late filing fee or oath or declaration surcharge as set forth in 37 CFR 1.16(e) of \$130 for a non-small entity, must be submitted with the missing items identified in this letter.
- **The balance due by applicant is \$ 3260.**

A copy of this notice MUST be returned with the reply.

Customer Service Center

Initial Patent Examination Division (703) 308-1202

PART 2 - COPY TO BE RETURNED WITH RESPONSE

07/24/2001 RHARIS1 00000122 09012723
01 FC:201 355.00 OP
02 FC:202 40.00 OP
03 FC:203 1170.00 OP
04 FC:205 65.00 OP

Express Mail Label No. LL822886779US



PATENT
Attorney Docket No. BMA-008

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANTS: Laugharn *et al.*
SERIAL NO.: 09/812,723 GROUP NO.: 1723
FILING DATE: March 20, 2001 EXAMINER: Not yet Assigned
TITLE: "Method and Apparatus For Acoustically Controlling Liquid
Solutions in Microfluidic Devices"

Box PGPUB DRAWINGS

Commissioner for Patents
Washington, D.C. 20231

Dear Sir:

TRANSMITTAL OF FORMAL DRAWINGS UNDER 37 C.F.R. § 1.215

Sir:

Attached please find 16 sheets of replacement drawings for publication under 35 U.S.C. 122(b). Please replace the informal drawings originally filed with the above patent application with the enclosed formal drawings for publication as permitted under 37 C.F.R. § 1.215.

Respectfully submitted,

A handwritten signature in cursive script, appearing to read "Danielle L. Herritt".

Danielle L. Herritt

Date: July 19, 2001
Reg. No. 43,670

Tel. No.: (617) 248-7952
Fax No.: (617) 248-7100

Attorney for Applicants
Testa, Hurwitz, & Thibault, LLP
High Street Tower
125 High Street
Boston, Massachusetts 02110

2120003